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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/789,366	02/27/2004	Heyg-Kyu Song	D012-1001	5142
7590	07/12/2005		EXAMINER CHIENT, LUCY P	
William G. Lane William G. Lane, Inc., P.C. Suite 250 16485 Laguna Canyon Road Irvine, CA 92618			ART UNIT 2871	PAPER NUMBER

DATE MAILED: 07/12/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/789,366

Applicant(s)

SONG, HEYG-KYU

Examiner

Lucy P. Chien

Art Unit

2871

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-20 is/are allowed.
- 6) ☐ Claim(s) ____ is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 2/27/2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

REASONS FOR ALLOWANCE

Claims 1-20 are allowed.

The following is an examiner's statement of reasons for allowance:

Fitzgibbons (US 3838909) discloses in Figure 2, the LCD (12) placed to the side of the display and the prism (24) placed behind it. The viewer can view the image from the front of the LCD.

Fitzgibbons does not disclose an L-shaped wedge prism with a leg portion and wedge foot portion having a first surface adapted to receive the liquid crystal display. Nor does Fitzgibbons disclose an opposing sloped second surface, the leg portion having a top surface, a shoulder, a third surface extending from the top surface to the shoulder, and the shoulder contiguous with the second sloped surface. Moreover, Fitzgibbons does not disclose the prism lens with a sloped base having an angle of slope reciprocal to the angle of slope of the sloped second surface and an opposing front lens surface lying in a plane closely parallel to the plane of the first surface. Also the polarizing medium and partial transmission mirror are not disclosed.

In addition, the light source is not emitted from the top surface of the leg of the L-shaped wedge prism to illuminate the liquid crystal display so the image of the LCD can be emitted through the prismic lens for viewing.

Details regarding the specific shapes of the components do not closely read on those specifics set forth in the present invention. Therefore, the present invention is considered to be unique over the prior art.

Art Unit: 2871

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

This application is in condition for allowance except for the following formal matters:

The drawings need to be corrected for the following reasons:

Figure 3: number 4 is not disclosed in the specification.

Figure 4: number 84 is not disclosed in the specification.

The Specification needs to be corrected for the following reasons:

(Page 4, Line 17,23) and (Page 5, Lines 3): Optical axis is labeled as 35 in the drawing. In the specification it is labeled as 36. The two contradict each other.

(Page 4, Lines 24), (Page 5, line 1,7, 23), (Page 6, line 18), (Page 7, line 3,20): Sloped base 52 cannot be found anywhere in the drawing.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.


Art Unit: 2871

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lucy P. Chien whose telephone number is 571-272-8579. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim can be reached on (571)272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Lucy Chien
Examiner
Art Unit 2871
LC



DUNG T. NGUYEN
PRIMARY EXAMINER